

LPC# 099 080 00009 LaSalle County
U.S. Scrap Barrel, Ottawa, Illinois
ILD 980902209
SF/HRS

CERCLA Expanded Site Inspection



Prepared by:
Office of Site Evaluation
Division of Remediation Management
Bureau of Land

CERCLA Expanded Site Inspection

for:

**U.S. Scrap Barrel
OTTAWA, ILLINOIS
ILD# 980902209**

**PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION**

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SIGNATURE PAGE

Title: CERCLA Expanded Site Inspection, U.S. Scrap in Ottawa.

Preparer: Dave Reed, Project Manager, Office of Site Evaluation, Illinois
Environmental Protection Agency

Dave Reed
Signature

9-30-11
Date

Reviewer: Tom Crause, Office Manager, Office of Site Evaluation, Illinois
Environmental Protection Agency

Tom Crause
Signature

9/30/2011
Date

Approval: Patrick Hamblin, NPL Coordinator, United States Environmental
Protection Agency, Region 5

Patrick Hamblin
Signature

10/3/2011
Date

The approval signatures on this page indicate that this document has been authorized for information release to the public through appropriate channels. No other forms or signatures are required to document this information release.

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1.0 Introduction

On September, 31st, 2006, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation was tasked by the United States Environmental Protection Agency (U.S. EPA) Region V to conduct an Expanded Site Inspection at U.S. Scrap Barrel (a.k.a. Magic Waters) in Ottawa, Illinois. This site is located at the northeast corner of the intersection of U.S. Route 6 and Illinois State Route 71. The latitude/longitude coordinates are 41.35612 North Latitude and 88.79427 West Longitude.

The primary objective of an Expanded Site Inspection is to address critical hypothesis or assumptions that were not completely supported during the Site Inspection. The Expanded Site Inspection will gather information to fully establish background conditions, fill in data gaps, or establish attribution to site operations. At the conclusion of the Expanded Site Inspection, it will be determined whether the site qualifies for possible inclusion on the National Priorities List (NPL) or should be dropped from further Superfund consideration. Additionally, the Expanded Site Inspection supports removal and enforcement actions and collects data to support further Superfund or other response actions.

The Expanded Site Inspection is not intended to be a detailed extent of contamination or risk assessment. Efforts requiring intensive background investigation or specialized techniques are normally conducted during the next phase in the Superfund process after a site is placed on the NPL and becomes eligible for remedial funding. The Expanded Site Inspection is performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) commonly known as Superfund.

2.0 Site Background

2.1 Site Description:

The U.S. Scrap Barrel Site is approximately 39 acres and is located at the northeast corner of the intersection of Route 71 and Route 6. The site is located approximately one mile east of the city of Ottawa and consists mainly of spoil banks and a final cut pond. The area used for drum storage occupied only one acre of the total site and was located south and adjacent to the spoil bank.

The surrounding land uses are currently residential and agricultural with some industrial uses. The US Scrap Barrel Site is bordered by LaSalle County Asphalt Co. to the east. Beyond

the asphalt company to the east are Blackwell Valley private residences. To the west of the site is Route 71 and a former clay area pit. The site is bordered to the north by O'Neil Creek and residences and to the south by Route 6 and agricultural fields.

The final cut pond adjacent to the drum storage area is approximately 40 feet deep. The top of the bedrock is approximately 50 feet from the surface elevation. The bedrock aquifer is currently used by local residents for drinking water. Overflow from the ponds can reach the Fox River via O'Neil Creek which runs along the northern border of the site. Overflow from the ponds is directed to a roadside ditch along Route 71 via a culvert. The ditch travels north and empties into O'Neil Creek. According to the National Wetlands Inventory, there are wetlands located along the Fox River. Also, an area along O'Neil Creek contained wetland obligate plants. The site is now fenced, but the ponds used to be used for fishing and swimming. A map delineating the site and showing the area within the 4 mile radius map is provided in Figure-5 of this report.

2.2 Site History:

The US Scrap Barrel Site was originally mined for clay to be used in brick making. The mining activities ceased operations in the mid 1900s. The property was purchased by Brown Oil Company in 1970. In 1972, the site was leased to J.B. Industrial. J.B. Industrial had planned to develop the site as a waste disposal facility. In 1973, the hazardous waste disposal permit submitted by J.B. Industrial was denied by IEPA. It was during the course of permit negotiations that drums were stock-piled on-site. In 1973, up to 20,000 drums were stored on-site.

The drums were stored on the ground in the one acre area. Numerous IEPA inspections indicated open dumping of drums, leaking of drums, drums falling into the pond, numerous spills, and the overall poor condition of the site. Violations included: operating a refuse disposal without a permit, open dumping of liquid hazardous waste, pumping the pond water into a roadside ditch and into O'Neil Creek, and liquid waste observed flowing into the adjacent roadside ditch. Several complaints from citizens and the city were received for odors, fires, and leaks and spills. Several IEPA reports also indicated vandalism and flooding covering spilled waste.

According to IEPA files, the contents of the drums consisted mainly of pharmaceutical and paint wastes. The wastes were primarily liquids. IEPA also recorded some drum labels

indicating the presence of trichlorobenzene, formaldehyde, acetone, trichloroethylene, methanol, and heptane.

When no permit was issued in 1973, the IEPA ordered the drums to be removed from the site. Later that year, Brown Oil Co. contracted for the deed to the property with U.S. Scrap Barrel with the understanding that U.S. Scrap Barrel would remove the drums. By 1975, only a portion of the drums had been removed and U.S. Scrap Barrel defaulted on the contract for deed agreement. Brown Oil Co. arranged for Illinois Valley Disposal Co., to remove the remaining drums later that same year. Drums that had fallen into the ponds were also removed. However, it is possible and has been noted by local residents that some drums still remain in the pond.

Presently, the site is owned by Brown Oil Company. Although the drums were removed, no records or accounts of procedures were recorded and no follow up was conducted. Then, in 1984, the site was entered in CERCLIS. The PA was completed by IEPA and recommended that an SI be conducted and samples be collected to determine if any contamination exists and if any targets had been affected. In 1985, Ecology and Environment performed an on-site inspection of the US Scrap Barrel Site. Five soil samples collected from the former drum storage area revealed levels of xylene, ethyl benzene, chloroform, toluene, 1,1,1-trichloroethane, trichloroethene, tetrachloroethene, and PCBs above background.

2.3 Previous Investigations:

Various investigations have been conducted at the U.S. Scrap Barrel facility over the years. In 1985, a limited site investigation by Ecology and Environment was conducted for the USEPA. In 1995, a Site Inspection Prioritization assessment was performed by the IEPA. In late 2002 and early 2003, another limited site investigation was completed by RAPPS Engineering & Applied Science (RAPPS). All three investigations focused on a limited one acre area located on the south portion of the Magic Water property. Additionally, a Site Investigation report by T.J. Thomas Associates, Inc. was completed in 2006 for Brown Oil Company. This investigation included more of the 39 acre site. One of the goals of the 2006 investigation was to obtain a Comprehensive No Further Remediation (NFR) letter from IEPA through the Site Remediation Program (SRP) in which Brown Oil enrolled in during 2004. On October 26th 2010, a comprehensive No Further Action (NFR) letter was sent to Brown Oil Company for this site.

2.4 Regulatory Status:

In 1973, J.B. Industrial filed for a disposal permit under the Environmental Protection Act and the Resource Conservation and Recovery Act (RCRA). However, this permit was denied. Information currently available, gives no indication that the site is under the authority of the Atomic Energy Act (AEA), the Uranium Mill Tailings Radiation Control Act (UMTRCA), or the Federal Insecticide, Fungicide or Rodenticide Act (FIFRA). The site has entered into the State Of Illinois' Site Remediation Program through an enforceable agreement.

3.0 Expanded Site Inspection Activities

3.1 Sampling Activities:

During the CERCLA Expanded Site Inspection of 2007, all samples were collected in accordance with the Illinois EPA's Quality Assurance Project Plan (QAPP) and the Illinois EPA's Bureau of Land Sampling Procedures Guidance Manual. Soil samples were collected with stainless steel trowels or augurs and put directly into sampling jars. Residential wells and groundwater samples were collected with Teflon tubing and pumped directly into the sampling bottles.

The depth to groundwater at U.S. Scrap Barrel is estimated to be about 12-30 feet below ground surface (bgs). During the Expanded Site Inspection, a GeoProbe unit was used to collect grab groundwater samples at the site. Groundwater was encountered at 14.5 to 15bgs. Groundwater is expected to flow west towards the Fox River.

3.1.1 Groundwater:

One groundwater sample was collected from an on-site monitoring well during the ESI in order to determine if contaminants may have migrated from the site to the groundwater. During the investigation, other samples around the site were attempted, but no other locations could produce enough water to meet samples collection criteria under the QAPP. The sample that was collected was analyzed for both the organic and inorganic portions of the Target Compound List (TCL). The location of the groundwater sample is depicted in the Figure-4 Sample Location Map, and the analytical results can be found in Tables 1-3.

3.1.2 Residential Wells:

Three residential well samples were collected around the U.S. Scrap Barrel property during the Expanded Site Inspection in order to determine if contaminants may have migrated from the site into private wells. These samples were analyzed for both the organic and inorganic portions of the Target Compound List (TCL). The locations of the residential well samples are depicted in the Figure-4 Sample Location Map and the analytical results can be found in Tables 1-3.

3.1.3 Surface Water:

Surface water samples were not collected due to the fact that no evidence of surface water contamination from past site activities was found during past investigations. The Fox River is some distance away (at least 275 meters). Sediment samples were collected in O'Neil creek north of U.S. Scrap Barrel along the overland flow path to the Fox River in order to determine if past activities at the site have impacted the creek and the river.

3.1.4 Soil:

Seven soil samples were collected from the U.S. Scrap Barrel site and surrounding areas in order to determine if potential contamination from the previous activities at the site has impacted the property and the surrounding areas. These samples were analyzed for the organic and inorganic portions of the Target Compound List (TCL). The locations of the soil samples are depicted in the Figure-4 Sample Location Map and the analytical results can be found in Tables 7-9.

3.1.5 Air:

Air samples were not collected at the site. Available file information gave no indication that open burning occurred on-site. Nor are there any available reports of odors emanating from the site.

3.1.6 Sediments:

Six sediment samples were collected just north of the site in O'Neil creek. The samples were collected in order to determine if contaminants from the site were potentially impacting the creek and or the Fox River where O'Neil creek empties into it. These samples were analyzed for

both the organic and inorganic portions of the Target Compound List (TCL). The locations of the residential well samples are depicted in the Figure-4 Sample Location Map and the analytical results can be found in Tables 4-6.

3.2 Analytical Results:

Organic and inorganic samples were sent to TechLaw for analysis of groundwater, well water, soil, and sediment samples. TechLaw had a contract with the USEPA to analyze these samples according to Agency guidelines.

Background samples were collected in areas deemed likely to not be contaminated from past site activities. In each subsection below, the actual samples are compared to the background level for each individual analyte at least three times the background concentration. If the sample results are highlighted in red in the sample table, this indicates a possibility of contamination from site activities.

3.2.1 Groundwater:

Sample g101 was the only monitoring well sample collected. Samples were attempted at various locations across the site, but none of the other locations could produce enough water for analysis. Since no background sample was collected, residential sample G203 was as the background well for comparisons to monitoring well sample G101.

For the organic results, all of the samples including the background had acetone detects. This compound is a common solvent used in the laboratory. The presence of this compound in the samples and most of the associated quality control samples from the lab indicate that acetone was not found on the site itself, but was introduced at the lab. However, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, vinyl chloride, and toluene were found in samples G101 above background for the volatile compound analysis. These results were found in the area where the drums were stored and consistent with past investigations. There were no semi-volatile compounds detected above background for G101.

For the inorganic tests, multiple analytes were above background levels for the samples in the old drum storage area (G101). Table 3 should be consulted for a complete list analytes detected above background levels for all of the samples.

3.2.2 Residential Wells:

For the organic results, all of the samples including the background had acetone detects. This compound is a common solvent used in the laboratory. The presence of this compound in the samples and most of the associated quality control samples from the lab indicate that acetone was not found on the site itself, but was introduced at the lab. There were no volatile or semi-volatile compounds detected above background for residential well samples.

For the inorganic tests, sample G201 contained levels of copper and zinc above background values. Sample G202 did not contain any inorganic analytes above background levels. Sample G203 was considered to be background.

3.2.3 Surface Water:

Surface water samples were not collected due to the fact that no evidence of surface water contamination from past site activities was found during past investigations. The Fox River is some distance away (at least 275 meters). Sediment samples were collected in O'Neil creek north of U.S. Scrap Barrel along the overland flow path to the Fox River in order to determine if past activities at the site have impacted the creek and the river.

3.2.4 Soil:

Seven soil samples were collected during the 2007 Expanded Site Inspection. The background sample for the soil matrix was sample X106.

For the organic results, all of the samples including the background had relatively large levels of acetone and methylene chloride detects. These two compounds are common solvents used in the laboratory. The presence of these compounds in the samples and most of the associated quality control samples from the lab indicate that these compounds were not found on the site itself, but were introduced at the lab. However, trichloroethylene was found in samples X101 and X103 above background (480ug/kg and 530ug/kg respectively). These results were found in the area where the drums were stored and consistent with past investigations. There were no semi-volatile compounds detected above background at any of the sampled locations.

For the inorganic tests, multiple analytes were above background levels for the samples in the old drum storage area (X101, X102, and X103). Samples X104 and X105 had low levels of Manganese, but this compound is not a contaminant of concern at the levels found. Sample

X106 had no results above background level. Table 9 should be consulted for a complete list analytes detected above background levels for all of the samples.

3.2.5 Air:

Air samples were not collected at the site. Available file information gave no indication that open burning occurred on-site. Nor are there any available reports of odors emanating from the site.

3.2.6 Sediments:

Six sediment samples were collected during the 2007 Expanded Site Inspection. The background sample for the soil matrix was sample X201.

For the organic results, all of the samples including the background had relatively large levels of acetone and methylene chloride detects. These two compounds are common solvents used in the laboratory. The presence of these compounds in the samples and most of the associated quality control samples from the lab indicate that these compounds were not found on the site itself, but were introduced at the lab. However, volatile compound 2-butanone was found in sample (110ug/kg). There were no semi-volatile compounds detected above background at any of the sampled locations.

For the inorganic tests, none of the analytes were above background levels for the samples in O'Neil creek. Table 6 should be consulted for a complete list analytes detected above background levels for all of the samples.

4.0 Site Sources

This section includes descriptions of the various hazardous waste sources that have been identified at the U.S. Scrap Barrel site. The Hazard Ranking System defines a "source" as: "Any area where a hazardous substance has been stored, disposed or placed, plus those soils that have become contaminated from migration of hazardous substance." This does not include surface water or sediments below surface water that has become contaminated.

Information obtained during previous CERCLA activities identified 1 source at the U.S. Scrap Barrel property. This source was potentially contaminated soil. The drums that were stored at the site could not be considered a source as defined by the Hazard Ranking System

(HRS), because the drum removal was a “qualifying removal.” As additional information becomes available, the possibility exists that additional sources of contamination may exist.

5.0 Migration Pathways

As identified in CERCLA’s Hazard Ranking System, the Office of Site Evaluation identifies three migration pathways and one exposure pathway. Sites are evaluated on their known or potential impact these pathways have on human health and the environment. The following paragraphs will evaluate the groundwater, surface water, soil exposure, and air migration pathways.

5.1 Groundwater Pathway

According to a report by the Illinois State Geological Survey and area well logs, glacial tills are underlain by sandstone. The Pennsylvanian System directly underlies surface deposits and glacial tills. This system is only 5-10 feet thick in this area and consists of relatively impermeable clays and shales with coal seams. Although this clay layer is as thick as 40 feet in some areas, it may prohibit the downward movement of chemicals. Below the Pennsylvanian System is bedrock. The top of the bedrock is 50 feet below the surface and consists of the St. Peter and the Ironton-Galesville sandstones. These bedrock materials consist primarily of sandstone, but do contain shale and dolomite.

The above geologic information suggests the presence of two major aquifers – the St. Peter and the Ironton-Galesville sandstones. These aquifers are thick, well-sorted, and very dependable aquifers for groundwater. Evidence suggests that these two aquifers are hydraulically connected. These two aquifers are utilized as private and municipal water sources. According to well logs, private wells range in depth from 30-400 feet and draw water from the St. Peter sandstone formation. The nearest private well is located 800 feet north of the property (sample G203). The city of Ottawa’s municipal wells are located a little over two miles west of the site. These wells are finished in the Ironton-Galesville at 1180-1220 feet deep. In addition to these two aquifers, the Pennsylvanian System may be used locally as a source of water. However, water drawn from this system is high in sulfur and not generally used for water. The total population served by groundwater within a 4-mile radius of the site is as follows:

Distance (miles)	Population Served
0- ¼	52
¼ - ½	103
½ - 1	148
1 -2	18166
2-3	518
3-4	971

5.2 Surface Water Pathway

There are two routes by which surface water runoff, drainage, or potential contaminants may reach O'Neil Creek and enter the surface water pathway. First, a culvert leaves the west end of the pond and carries overflow into a ditch that runs along Route 71. This ditch also collects surface runoff from the site. The ditch enters O'Neil Creek about 700 feet downstream and is the probable point of entry (PPE) for any possible contamination. O'Neil Creek empties into the Fox River about 1800 feet downstream. The overflow culvert from the pond should carry contaminants that have been deposited into the pond, sediments, and runoff from the one acre area of concern into the ditch and into surface waters. There have also been reports of pumping the pond water into O'Neil Creek north of the property. According to the U.S. Fish and Wildlife Service National Wetland Inventory Map, there are wetlands located along the Fox River. The Fox River is a fishery. The pond on the U.S. Scrap Barrel property is also considered a surface water body as defined by the HRS. The pond is also a PPE. The pond used to be used for fishing and swimming. However, since the pond was not closed due to an impact from a hazardous substance documented in an observed release, this on-site surface water body is not a fishery.

5.3 Soil Exposure:

There is no indication that the property is used for recreational activities. A maintained fence with locked gates is in place to deter trespassing. There are no employees currently on the U.S. Scrap Barrel site. There is a small residential area located east of the site and a house some distance north of the site. Both of these residences are more than 200 feet away from the area of

contamination. Additionally, there are no schools or daycares within 200 feet of the site. Much of the property has good vegetative cover. Exposure to U.S. Scrap Barrel's hazardous wastes and potentially contaminated soil is limited by a fence that surrounds the facility.

5.4 Air Route:

A release of hazardous substances to the air has not been documented. However, nearby residents have reported fires on the property and odors during the time the drums were present. Since the drums were removed, no reports of fires or odors have been noted. The source of potential air contamination has been removed. Therefore, this pathway has not been evaluated.

6.0 Additional Risk Based Objectives:

This section discusses additional risk based objectives used to evaluate the U.S. Scrap Barrel site. These objectives have not been used to evaluate the site for Hazard Ranking System purposes.

Sediment samples that were collected during the ESI were compared to ecological benchmarks to help determine whether site activities have impacted the surface water pathway. Two different ecological benchmarks were used for this comparison: Ontario Sediment Quality Guidelines (Ontario) and U.S. EPA Ecotox (Ecotox) thresholds. Ontario standards are non regulatory ecological benchmark values that serve as indicator of potential aquatic impacts. Levels of contaminants below Ontario benchmarks indicate a level of pollution that has no effect on the majority of sediment-dwelling organisms. Levels of contaminants above a severe effect Ontario benchmark can cause a pronounce disturbance of the sediment dwelling community. Ecotox thresholds are ecological benchmarks above which there is sufficient concern regarding adverse ecological effect to warrant further site investigation. Ecotox thresholds and Ontario Sediment Quality Guidelines are to be used for screening purposes and are not to be used as regulatory, site-specific cleanup standards or remediation goals.

7.0 Summary:

The purpose of the 2007 Expanded Site Inspection was to determine if contamination still exists at the U.S. Scrap Barrel site and to determine if remediation objectives have been met. Upon completion of the Expanded Site Inspection, it was determined that there is some contamination still existing at the property.

The groundwater pathway remains a concern. Information collected by the Illinois EPA's Source Water Assessment Program (SWAP) ArcIms Mapping Tool showed evidence of private drinking water wells in the area. Several of these residences were sampled during the investigation. There is a possibility that some of the residents that are utilizing the private drinking water wells, could be impacted by past processes at U.S. Scrap Barrel.

In the past, windborne contamination may have been emitted from U.S. Scrap Barrel. Contamination may have potentially been blown into the surrounding areas. Possible human exposure to airborne materials has not been documented.

Although the site is fenced, soil exposure is a possibility to trespassers or anyone that enters the site. Soil samples collected at U.S. Scrap showed levels of organic and inorganic contaminants. However, most of these levels were found in the old drum storage area and were not spread out over the entire site.

The surface water pathway is not a direct concern. There is no direct overland route for potential run-off from the site to travel. The main route for potential contamination from the site to migrate to the Fox River would be O'Neil creek which lies to the north of the site. Sediment samples from O'Neil creek indicated that the creek has not been impacted from past activities at U.S. Scrap Barrel.

8.0 References:

- Berg, Richard C., and Kempton, John P., 1988, Stack-Unit Mapping of Geologic Materials in Illinois to a Depth of 15 meters, Illinois Stratigraphy, Illinois State Geological Survey
- Illinois Environmental Protection Agency, Bureau of Land; File for U.S. Scrap Barrel, LPC #0990800009
- IEPA Surface Water Assessment Program website (<http://maps.epa.state.il.us/water/swap/>)
- August 18th, 2009 draft NFR letter from IEPA to U.S. Scrap Barrel
- 2006 Site Investigation Report, Submitted by Brown Oil Company
- TerraServer USA (<http://terraserver.microsoft.com/address.aspx>)
- Historical Photos from Illinois Department of Transportation (years 2005, 1998, 1988, 1979, and 1966)

FIGURE-1

SITE LOCATION MAP

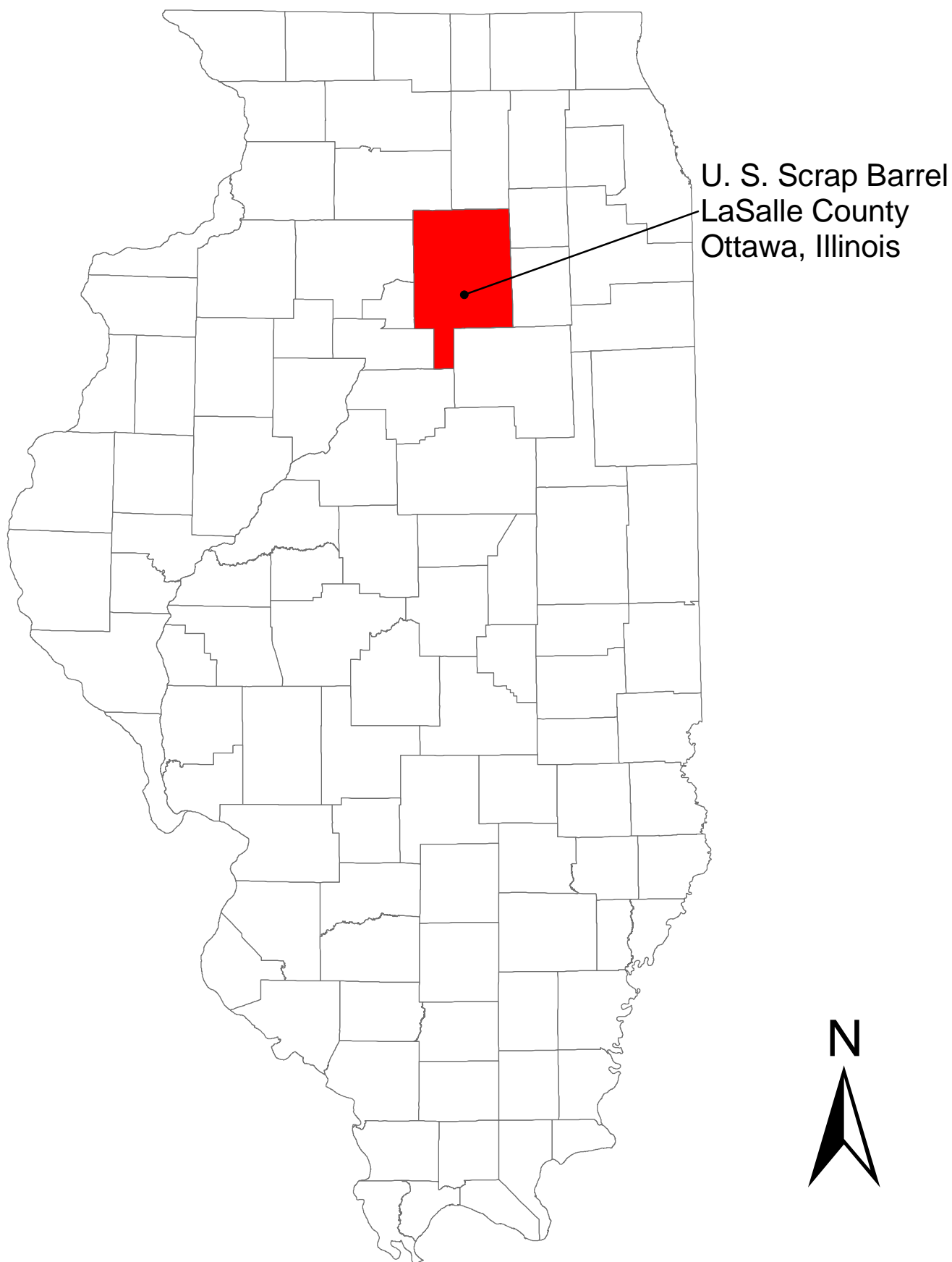


Figure-2 Site Topographic Map

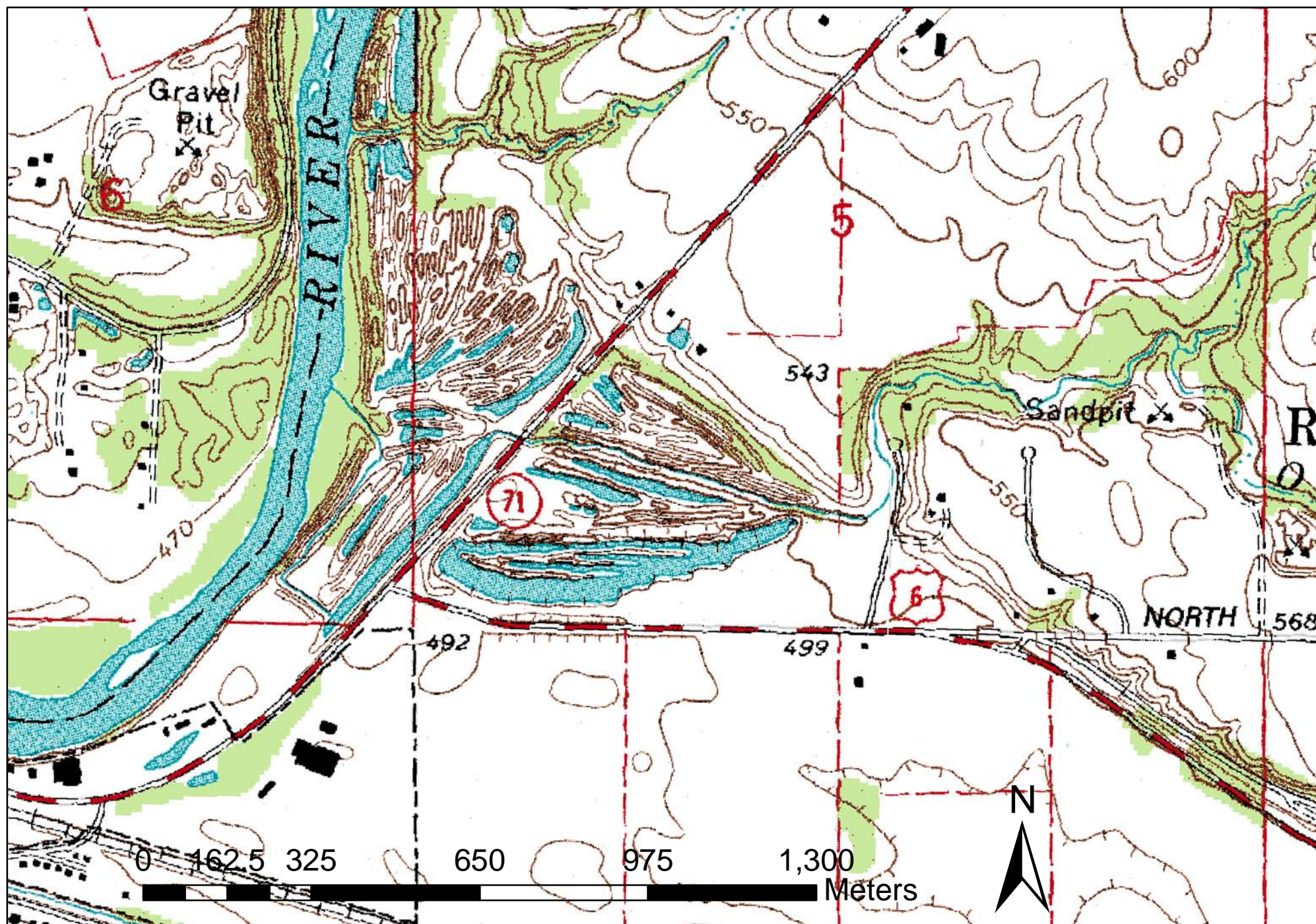


Figure-3 Site Aerial Photograph

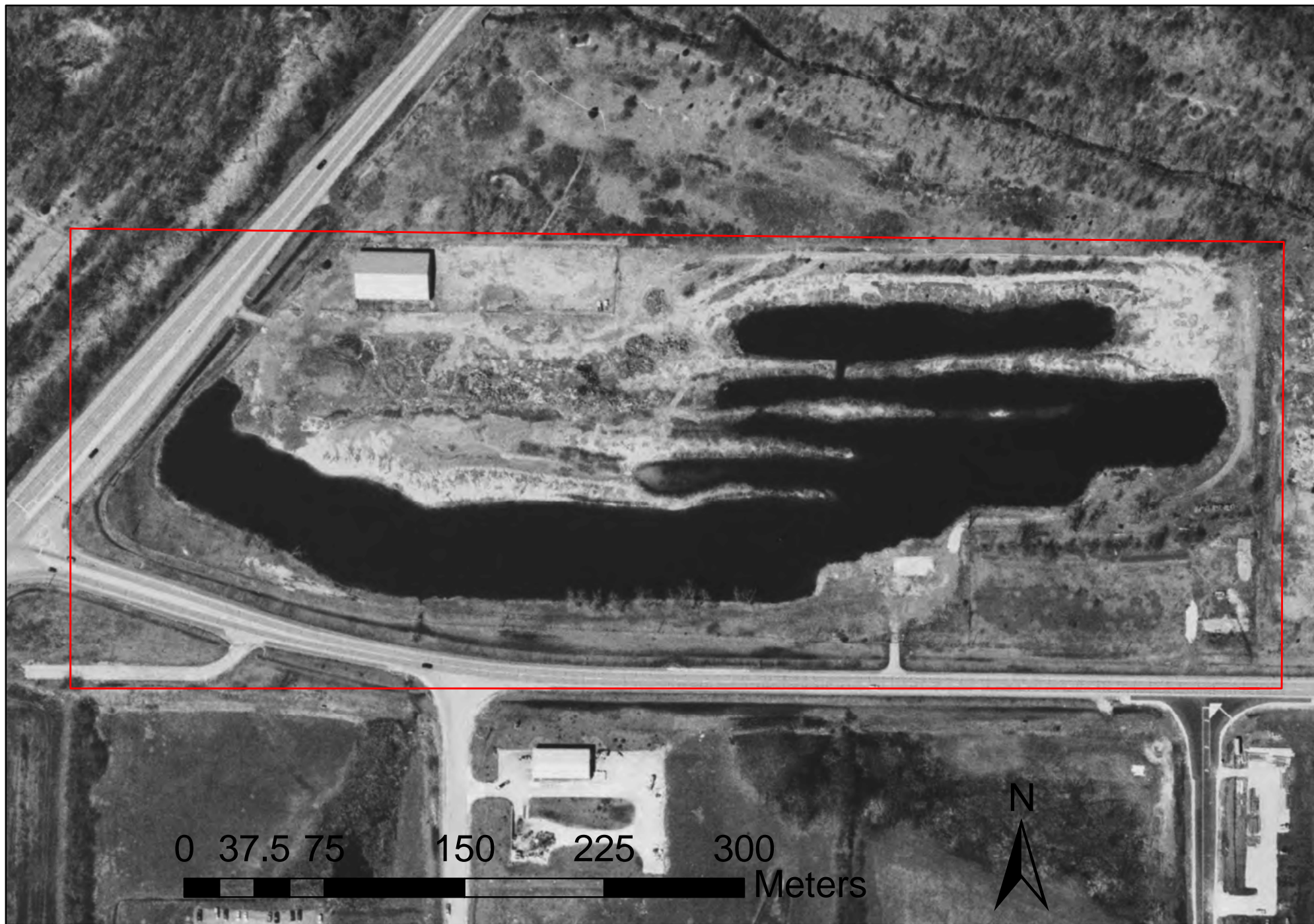


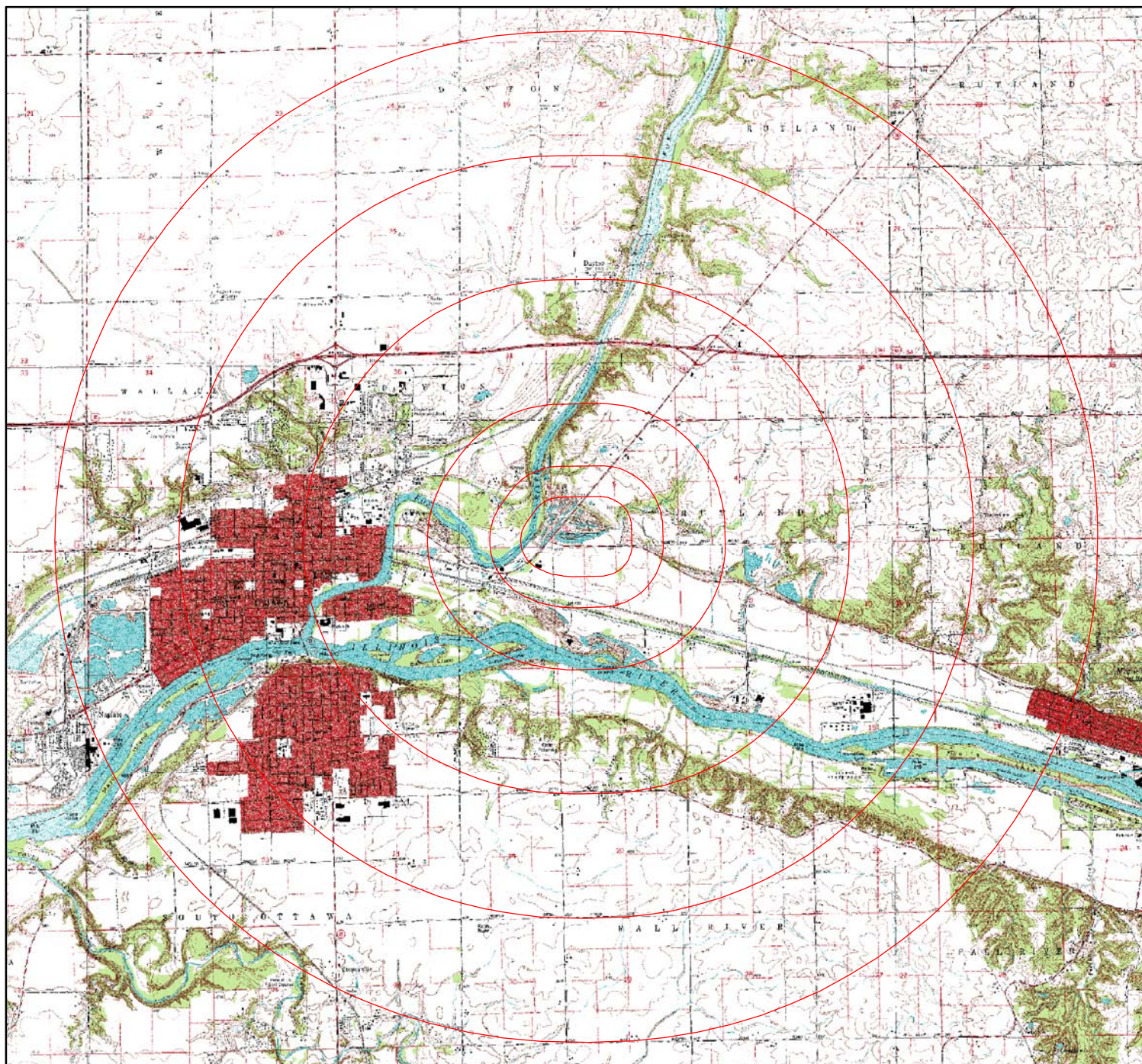
Figure-4 Sample Location Map



Figure-5

4-Mile Radius Map

U.S.Scrap Barrel



0 1 2 4 Miles



Figure-6

15-Mile In-Water Segment
of Surface Water Pathway

U.S.Scrap Barrel



Legend

- Probable Point of Entry
- In-Water Segment
- 15-Mile_Target_Distance_Limit



TABLE 1
US Scrap Barrel, Ottawa
Water Analytical Results
Volatiles

Sample Number :	M/E0089		3 times background		M/E0078		M/E0081		M/E0082		M/E0080		M/E0090	
Sampling Location :	G203				G101		G201		G202		TB01		TB02	
Matrix :	Water				Water		Water		Water		Water		Water	
Units :	ug/L				ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/29/2007				5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007	
Dilution Factor :	1.0				1.0		1.0		1.0		1.0		1.0	
Trace Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acetone	5.0	L,J	15.0		11	L	3.9	L,J	4.9	L,J	3.8	L,J	4.8	L,J
o-Xylene	1.0	U	3.0		0.7	J	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone	5.0	U	15.0		5.0	U	5.0	U	5.0	U	5.0	U	8.4	
n-Butylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	0.2	J	1.0	U
sec-Butylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon disulfide	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Acrolein	5.0	U	15.0		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	1.0	U	3.0		0.4	J	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	1.0	U	3.0		2.9		1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Chlorotoluene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	0.1	J	1.0	U
Acrylonitrile	5.0	U	15.0		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorotoluene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	0.09	J	1.0	U
Dibromochloromethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane (EDB)	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	1.0	U	3.0		1.5		1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	1.0	U	3.0		0.2	J	1.0	U	1.0	U	0.1	J	1.0	U
1,1-Dichloroethane	1.0	U	3.0		0.6	J	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	1.0	U	3.0		11		1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	1.0	U	3.0		15		1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	1.0	U	3.0		0.6	J	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Hexanone	2.0	U	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Vinyl chloride	2.0	U	6.0		35		2.0	U	2.0	U	2.0	U	2.0	U
Isopropylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

TABLE 1
US Scrap Barrel, Ottawa
Water Analytical Results
Volatiles

Sample Number :	M/E0089		3 times background		M/E0078		M/E0081		M/E0082		M/E0080		M/E0090	
Sampling Location :	G203				G101		G201		G202		TB01		TB02	
Matrix :	Water				Water		Water		Water		Water		Water	
Units :	ug/L				ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/29/2007				5/29/2007		5/29/2007		5/29/2007					
Dilution Factor :	1.0				1.0		1.0		1.0		1.0		1.0	
Benzene	1.0	U	3.0		0.7	J	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene chloride	1.0	U	3.0		2.3		1.0	U	1.0	U	2.6		1.0	U
4-Methyl-2-pentanone	2.0	U	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Naphthalene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrahydrofuran	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	2.0	U	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl tert-butyl ether	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Propylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	0.2	J	1.0	U
Bromobenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1,2-Tetrachloroethane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	1.0	U	3.0		1.4		1.0	U	1.0	U	1.0	U	1.0	U
Toluene	1.0	U	3.0		9.2		1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	2.0	U	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,3-Trichlorobenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	1.0	U	3.0		0.1	J	1.0	U	1.0	U	1.0	U	1.0	U
m,p-Xylene	2.0	U	6.0		2.3		2.0	U	0.1	J	0.1	J	2.0	U

TABLE 2
US Scrap Barrel, Ottawa
Water Analytical Results
SVOC

Sample Number :	M/E0089		3 times background		M/E0078		M/E0081		M/E0082		M/E0091	
Sampling Location :	G203				G101		G201		G202		FB	
Matrix :	Water				Water		Water		Water		Water	
Units :	ug/L				ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/29/2007				5/29/2007		5/29/2007		5/29/2007		5/29/2007	
Dilution Factor :	1				1		1		1		1	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
3 & 4-Methylphenol	10	U	30		10	U	10	U	10	U	5.0	U
N-Nitrosodi-n-propylamine	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Hexachloroethane	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Nitrobenzene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Isophorone	5.0	U	15		5.0	U	5.0	U	5.0	U	25	U
2-Nitrophenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dimethylphenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-chloroethoxy)methane	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dichlorophenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-chloroethyl)ether	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-Trichlorobenzene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Naphthalene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
4-Chloroaniline	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorobutadiene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2-Methylnaphthalene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
4-Chloro-3-methylphenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorocyclopentadiene	25	U	75		25	U	25	U	25	U	25	U
2,4,6-Trichlorophenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2,4,5-Trichlorophenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2-Chloronaphthalene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2-Chlorophenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2-Nitroaniline	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Acenaphthylene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Dimethyl phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2,6-Dinitrotoluene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Acenaphthene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
3-Nitroaniline	25	U	75		25	U	25	U	25	U	25	U
Dibenzofuran	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dinitrophenol	25	U	75		25	U	25	U	25	U	25	U
2,4-Dinitrotoluene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
Fluorene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U
1,3-Dichlorobenzene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U

TABLE 2
US Scrap Barrel, Ottawa
Water Analytical Results
SVOC

Sample Number :	M/E0089		3 times background		M/E0078		M/E0081		M/E0082		M/E0091			
Sampling Location :	G203				G101		G201		G202		FB			
Matrix :	Water				Water		Water		Water		Water			
Units :	ug/L				ug/L		ug/L		ug/L		ug/L			
Dilution Factor :	1				1.0		1.0		1.0		1.0			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
4-Nitrophenol	25	U	75		25	U	25	U	25	U	25	U		
4-Chlorophenyl phenyl ether	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Diethyl phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
4,6-Dinitro-2-methylphenol	25	U	75		25	U	25	U	25	U	25	U		
N-Nitrosodiphenylamine	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
4-Nitroaniline	25	U	75		25	U	25	U	25	U	25	U		
4-Bromophenyl phenyl ether	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Hexachlorobenzene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Pentachlorophenol	25	U	75		25	U	25	U	25	U	25	U		
Phenanthrene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
1,4-Dichlorobenzene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Anthracene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Carbazole	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Di-n-butyl phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Fluoranthene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Pyrene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Butyl benzyl phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
3,3'-Dichlorobenzidine	25	U	75		25	U	25	U	25	U	25	U		
Chrysene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzo (a) anthracene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Bis(2-ethylhexyl)phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzyl alcohol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Di-n-octyl phthalate	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzo (b) fluoranthene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzo (k) fluoranthene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzo (a) pyrene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Indeno (1,2,3-cd) pyrene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Dibenz (a,h) anthracene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Benzo (g,h,i) perylene	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
1,2-Dichlorobenzene	5.0	U	15		3.2	UJ	5.0	U	5.0	U	5.0	U		
2-Methylphenol	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		
Bis(2-chloroisopropyl)ether	5.0	U	15		5.0	U	5.0	U	5.0	U	5.0	U		

TABLE 3
US Scrap Barrel, Ottawa
Water Analytical Results
Metals

[illegible]

TABLE 4
US Scrap Barrel, Ottawa
Sediment Analytical Results
VOC

Sample Number :	M/E0083				M/E0084		M/E0085		M/E0086		M/E0087		M/E0088	
Sampling Location :	X201				X202		X203		X204		X205		X206	
Matrix :	Sediment			3 times background	Sediment		Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg				ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled :	5/30/2007				5/30/2007		5/30/2007		5/30/2007		5/30/2007		5/30/2007	
% Solid :	84				86		78		79		70		78	
Dilution Factor :	1				1		1		1		1		1	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methyl tert-butyl ether	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Tetrahydrofuran	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Acetone	19000		57000		12000		18000		8800		43000		45000	
o-Xylene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Bromodichloromethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Bromoform	30	U	90		29	U	32	U	31	U	36	U	32	U
Bromomethane	12	U	36		12	U	13	U	13	U	14	U	13	U
2-Butanone	30	U	90		29	U	38		51		36	U	110	
n-Butylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
sec-Butylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
tert-Butylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Carbon disulfide	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Acrolein	60	U	180		58	U	64	U	63	U	72	U	64	U
Vinyl acetate	30	U	90		29	U	32	U	31	U	36	U	32	U
Carbon tetrachloride	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Chlorobenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Chloroethane	12	U	36		12	U	13	U	13	U	14	U	13	U
Chloroform	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Chloromethane	12	U	36		12	U	13	U	13	U	14	U	13	U
2-Chlorotoluene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Acrylonitrile	30	U	90		29	U	32	U	31	U	36	U	32	U
4-Chlorotoluene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Dibromochloromethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2-Dibromo-3-chloropropane	30	U	90		29	U	32	U	31	U	36	U	32	U
1,2-Dibromoethane (EDB)	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Dibromomethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2-Dichlorobenzene	30	U	90		29	U	32	U	31	U	36	U	32	U
1,3-Dichlorobenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,4-Dichlorobenzene	30	U	90		29	U	32	U	31	U	36	U	32	U
1,1-Dichloroethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2-Dichloroethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,1-Dichloroethene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U

TABLE 4
US Scrap Barrel, Ottawa
Sediment Analytical Results
VOC

Sample Number : Sampling Location : Matrix : Units : Dilution Factor :	M/E0083 X201 Sediment ug/kg 1		3 times background		M/E0084 X202 Sediment ug/kg 1.0		M/E0085 X203 Sediment ug/kg 1.0		M/E0086 X204 Sediment ug/kg 1.0		M/E0083 X205 Sediment ug/kg 1.0		M/E0088 X206 Sediment ug/kg 1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
cis-1,2-Dichloroethene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
trans-1,2-Dichloroethene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2-Dichloropropane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,3-Dichloropropane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
2,2-Dichloropropane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,1-Dichloropropene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
cis-1,3-Dichloropropene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
trans-1,3-Dichloropropene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Ethylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Hexachlorobutadiene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
2-Hexanone	30	U	90		29	U	32	U	31	U	36	U	32	U
2-Chloroethylvinyl ether	12	U	36		12	U	13	U	13	U	14	U	13	U
Vinyl chloride	12	U	36		12	U	13	U	13	U	14	U	13	U
Dichlorodifluoromethane	12	U	36		12	U	13	U	13	U	14	U	13	U
Isopropylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Trichlorofluoromethane	12	U	36		12	U	13	U	13	U	14	U	13	U
Benzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
p-Isopropyltoluene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Methylene chloride	2500		7500		3200		4600		2300		7400		18000	
4-Methyl-2-pentanone	30	U	90		29	U	32	U	31	U	36	U	32	U
Naphthalene	30	U	90		29	U	32	U	31	U	36	U	32	U
n-Propylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Bromobenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Styrene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,1,2,2-Tetrachloroethane	30	U	90		29	U	32	U	31	U	36	U	32	U
1,1,1,2-Tetrachloroethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Tetrachloroethene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Toluene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2,3-Trichlorobenzene	30	U	90		29	U	32	U	31	U	36	U	32	U
1,2,4-Trichlorobenzene	30	U	90		29	U	32	U	31	U	36	U	32	U
1,1,2-Trichloroethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,1,1-Trichloroethane	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
Bromochloromethane	6.0	U	18		5.0	UJ	6.4	U	6.3	UJ	7.2	U	4.8	UJ
Trichloroethene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2,3-Trichloropropane	30	U	90		29	U	32	U	31	U	36	U	32	U
1,3,5-Trimethylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
1,2,4-Trimethylbenzene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U
m,p-Xylene	6.0	U	18		5.8	U	6.4	U	6.3	U	7.2	U	6.4	U

Sample Number :	M/E0083		3 times background		M/E0084		M/E0085		M/E0086		M/E0087		M/E0088	
Sampling Location :	X201				X202		X203		X204		X205		X206	
Matrix :	Sediment				Sediment		Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg				ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Date Sampled :	5/30/2007				5/30/2007		5/30/2007		5/30/2007		5/30/2007		5/30/2007	
% Solid :	84				86		78		79		70		78	
Dilution Factor :	1				1		1		1		1		1	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
3 & 4-Methylphenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
N-Nitrosodi-n-propylamine	390	U	1170		380	U	410	U	400	U	450	U	410	U
Hexachloroethane	390	U	1170		380	U	410	U	400	U	450	U	410	U
Nitrobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Isophorone	390	U	1170		380	U	410	U	400	U	450	U	410	U
2-Nitrophenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
2,4-Dimethylpheno	390	U	1170		380	U	410	U	400	U	450	U	410	U
Bis(2-chloroethoxy)methane	390	U	1170		380	U	410	U	400	U	450	U	410	U
2,4-Dichlorophenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
Bis(2-chloroethyl)ether	390	U	1170		380	U	410	U	400	U	450	U	410	U
1,2,4-Trichlorobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Naphthalene	390	U	1170		380	U	410	U	400	U	450	U	410	U
4-Chloroaniline	390	U	1170		380	U	410	U	400	U	450	U	410	U
Hexachlorobutadiene	390	UJ	1170		380	UJ	410	UJ	400	UJ	450	UJ	410	UJ
2-Methylnaphthalene	390	U	1170		380	U	410	U	400	U	450	U	410	U
4-Chloro-3-methylphenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
Hexachlorocyclopentadiene	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
2,4,6-Trichlorophenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
2,4,5-Trichlorophenol	980	U	2940		950	U	1000	U	1000	U	1100	U	1000	U
2-Chloronaphthalene	390	U	1170		380	U	410	U	400	U	450	U	410	U
2-Chlorophenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
2-Nitroaniline	980	U	2940		950	U	1000	U	1000	U	1100	U	1000	U
Acenaphthylene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Dimethyl phthalate	590	U	1770		570	U	620	U	610	U	690	U	630	U
2,6-Dinitrotoluene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Acenaphthene	390	U	1170		380	U	410	U	400	U	450	U	410	U
3-Nitroaniline	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
Dibenzofuran	390	U	1170		380	U	410	U	400	U	450	U	410	U
2,4-Dinitrophenol	940	UJ	2820		910	UJ	990	UJ	980	UJ	1100	R	1000	UJ
2,4-Dinitrotoluene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Fluorene	390	U	1170		380	U	410	U	400	U	450	U	410	U
1,3-Dichlorobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U

TABLE 5
US Scrap Barrel, Ottawa
Sediment Analytical Results
SVOC

Sample Number :	M/E0083		3 times background		M/E0084		M/E0085		M/E0086		M/E0083		M/E0088	
Sampling Location :	X201				X202		X203		X204		X205		X206	
Matrix :	Sediment				Sediment		Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg				ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Dilution Factor :	1				1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
4-Nitrophenol	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
4-Chlorophenyl phenyl ether	390	U	1170		380	U	410	U	400	U	450	U	410	U
Diethyl phthalate	590	U	1770		570	U	620	U	610	U	690	U	630	U
4,6-Dinitro-2-methylphenol	940	U	2820		910	U	990	UJ	980	UJ	1100	UJ	1000	UJ
N-Nitrosodiphenylamine	390	U	1170		380	U	410	U	400	U	450	U	410	U
4-Nitroaniline	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
4-Bromophenyl phenyl ether	390	U	1170		380	U	410	U	400	U	450	U	410	U
Hexachlorobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Pentachlorophenol	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
Phenanthrene	390	U	1170		380	U	410	U	400	U	450	U	410	U
1,4-Dichlorobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Anthracene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Carbazole	390	U	1170		380	U	410	U	400	U	450	U	410	U
Di-n-butyl phthalate	590	U	1770		570	U	620	U	610	U	690	U	630	U
Fluoranthene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Pyrene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Butyl benzyl phthalate	390	U	1170		380	U	410	U	400	U	450	U	410	U
3,3'-Dichlorobenzidine	940	U	2820		910	U	990	U	980	U	1100	U	1000	U
Chrysene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Benzo (a) anthracene	390	U	1170		380	U	410	U	400	U	450	U	410	U
Bis(2-ethylhexyl)phthalate	590	U	1770		570	U	620	U	610	U	690	U	630	U
Benzyl alcohol	390	UJ	1170		380	UJ	410	U	400	U	450	U	410	U
Di-n-octyl phthalate	590	UJ	1770		570	U	620	UJ	610	UJ	690	UJ	630	UJ
Benzo (b) fluoranthene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
Benzo (k) fluoranthene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
Benzo (a) pyrene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
Indeno (1,2,3-cd) pyrene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
Dibenz (a,h) anthracene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
Benzo (g,h,i) perylene	390	UJ	1170		380	U	410	U	400	U	450	U	410	U
1,2-Dichlorobenzene	390	U	1170		380	U	410	U	400	U	450	U	410	U
2-Methylphenol	390	U	1170		380	U	410	U	400	U	450	U	410	U
Bis(2-chloroisopropyl)ether	390	U	1170		380	U	410	U	400	U	450	U	410	U

Sample Number :	M/E0083		3 times background		M/E0084		M/E0085		M/E0086		M/E0087		M/E0088	
Sampling Location :	X201				X202		X203		X204		X205		X206	
Matrix :	sediment				sediment		sediment		sediment		sediment		sediment	
Units :	mg/kg				mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Date Sampled :	5/30/2007				5/30/2007		5/30/2007		5/30/2007		5/30/2007		5/30/2007	
% Solid :	84.0				86.1		78.3		79.4		69.7		77.8	
Dilution Factor :	1				1		1		1		1		1	
Semivolatle Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	4000		12000		2200		4500		5100		2800		6300	
Iron	38000		114000		20000		29000		27000		23000		27000	
Lead	37		111		34		34		31		30		15	
Magnesium	40000		120000		53000		21000		16000		18000		9500	
Manganese	1700		5100		540		470		440		380		340	
Nickel	31		93		15		25		23		15		28	
Potassium	880 UJ		2640		610 UJ		1100		1100		740		1800	
Silver	2.0 U		6.0		2.0 U		2.0 U		2.0 U		2.0 U		2.0 U	
Sodium	130 UJ		390		140 UJ		96 UJ		85 UJ		81 UJ		90 UJ	
Barium	98		294		41		52		53		35 UJ		27 UJ	
Vanadium	25		75		23		21		24		17		14	
Zinc	120		360		46		71		67		82		53	
Beryllium	0.7 JK		2.1		0.3 JK		0.6 JK		0.6 JK		0.4 JK		0.8 JK	
Cadmium	7.1		21.3		7.5		5.1		4.3		4.5		2.2	
Calcium	76000		228000		110000		38000		29000		35000		12000	
Chromium	27		81		28		20		18		14		17	
Cobalt	14		42		7.8 UJ		12		12		8.3 UJ		17	
Copper	55		165		8.6		18		16		11		20	
Cyanide (total)	0.34 U		1.02		0.36 U		0.42 U		0.33 U		0.44 U		0.4 U	
Antimony	0.85		2.55		0.51 UJ		1.3		0.75 UJ		0.83		0.63 UJ	
Arsenic	23		69		13		17		12		24		9.6	
Selenium	0.76 UJ		2.28		1.6 U		1.2		0.83 UJ		0.60 UJ		1.6 U	
Thallium	1.0 U		3.0		1.0 U		1.0 U		1.0 U		1.0 U		1.0 U	
									</					

TABLE 7
US Scrap Barrel, Ottawa
Soil Analytical Results
VOC

Sample Number :	M/E0077			M/E0072		M/E0073		M/E0074		M/E0075		M/E0076		M/E0083		
Sampling Location :	X106			X101		X102		X103		X104		X105		X107		
Matrix :	Soil		3 times background	Soil		Soil		Soil		Soil		Soil		Soil		
Units :	ug/kg			ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		
Date Sampled :	5/29/2007			5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007		
% Solid :	79.1			78.3		78.1		77.5		78		87.1		82.0		
Dilution Factor :	1			1		1		1		1		1		1		
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
Methyl tert-butyl ether	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Tetrahydrofuran	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Acetone	1300		3900		9600		12000		4800		4100		5900		1300	
o-Xylene	6.3	U	18.9		3.5	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Bromodichloromethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Bromoform	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U
Bromomethane	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U
2-Butanone	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U
n-Butylbenzene	6.3	U	18.9		4.5	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
sec-Butylbenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
tert-Butylbenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Carbon disulfide	6.3	U	18.9		4.2	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Acrolein	63	U	189		64	U	64	U	65	U	64	U	57	U	63	U
Vinyl acetate	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U
Carbon tetrachloride	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Chlorobenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Chloroethane	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U
Chloroform	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Chloromethane	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U
2-Chlorotoluene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Acrylonitrile	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U
4-Chlorotoluene	6.3	U	18.9		5.7	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Dibromochloromethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
1,2-Dibromo-3-chloropropane	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U
1,2-Dibromoethane (EDB)	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
Dibromomethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
1,2-Dichlorobenzene	32	U	96		32	U	8.5	UJ	32	U	32	U	29	U	32	U
1,3-Dichlorobenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
1,4-Dichlorobenzene	32	U	96		9.4	UJ	32	U	32	U	32	U	29	U	32	U
1,1-Dichloroethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
1,2-Dichloroethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U
1,1-Dichloroethene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U

TABLE 7
US Scrap Barrel, Ottawa
Soil Analytical Results
VOC

Sample Number :	M/E0077		3 times background		M/E0072		M/E0073		M/E0074		M/E0075		M/E0076		M/E0083			
Sampling Location :	X106				X101		X102		X103		X104		X105		X107			
Matrix :	Soil				Soil		Soil		Soil		Soil		Soil		Soil			
Units :	ug/kg				ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
cis-1,2-Dichloroethene	6.3	U	18.9		4.0	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
trans-1,2-Dichloroethene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
1,2-Dichloropropane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
1,3-Dichloropropane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
2,2-Dichloropropane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
1,1-Dichloropropene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
cis-1,3-Dichloropropene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
trans-1,3-Dichloropropene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
Ethylbenzene	6.3	U	18.9		5.3	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
Hexachlorobutadiene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
2-Hexanone	32	U	96		32	U	32	U	32	U	32	U	29	U	32	U		
2-Chloroethylvinyl ether	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U		
Vinyl chloride	13	U	39		23	J	13	U	13	U	13	U	11	U	13	U		
Dichlorodifluoromethane	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U		
Isopropylbenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
Trichlorofluoromethane	13	U	39		13	U	13	U	13	U	13	U	11	U	13	U		
Benzene	6.3	U	18.9		6.4	U	3.3	UJ	3.6	UJ	6.4	U	5.7	U	6.3	U		
p-Isopropyltoluene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.3	U		
Methylene chloride	810		2430		2600		2900		4500		2500		4500		6100			
4-Methyl-2-pentanone	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
Naphthalene	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
n-Propylbenzene	6.3	U	18.9		4.2	UJ	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
Bromobenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
Styrene	6.3	U	18.9		6.5		6.4	U	6.5	U	5.0	UJ	5.7	U	6.1	U		
1,1,2,2-Tetrachloroethane	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
1,1,1,2-Tetrachloroethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
Tetrachloroethene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
Toluene	6.3	U	18.9		4.1	UJ	6.9		5.6	UJ	6.4	U	5.7	U	6.1	U		
1,2,3-Trichlorobenzene	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
1,2,4-Trichlorobenzene	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
1,1,2-Trichloroethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
1,1,1-Trichloroethane	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
Bromochloromethane	6.3	U	18.9		8.0		6.4	U	6.5	U	6.2	UJ	5.7	U	6.1	U		
Trichloroethene	6.3	U	18.9		480		6.3	UJ	530	J	6.4	U	5.7	U	4.6	UJ		
1,2,3-Trichloropropane	32	U	96		32	U	32	U	32	U	32	U	29	U	30	U		
1,3,5-Trimethylbenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
1,2,4-Trimethylbenzene	6.3	U	18.9		6.4	U	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		
m,p-Xylene	6.3	U	18.9		17	J	6.4	U	6.5	U	6.4	U	5.7	U	6.1	U		

TABLE 8
US Scrap Barrel, Ottawa
Soil Analytical Results
SVOC

Sample Number :	M/E0077		3 times background	M/E0072		M/E0073		M/E0074		M/E0075		M/E0076		M/E0083		
Sampling Location :	X106			X101		X102		X103		X104		X105		X107		
Matrix :	Soil			Soil		Soil		Soil		Soil		Soil		Soil		
Units :	ug/kg			ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		
Date Sampled :	5/29/2007			5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007		
% Solid :	79.1			78.3		78.1		77.5		78		87.1		82.0		
Dilution Factor :	1		1		1		1		1		1		1			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
Phenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
3 & 4-Methylphenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
N-Nitrosodi-n-propylamine	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Hexachloroethane	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Nitrobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Isophorone	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2-Nitrophenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2,4-Dimethylpheno	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Bis(2-chloroethoxy)methane	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2,4-Dichlorophenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Bis(2-chloroethyl)ether	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
1,2,4-Trichlorobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Naphthalene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
4-Chloroaniline	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Hexachlorobutadiene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2-Methylnaphthalene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
4-Chloro-3-methylphenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Hexachlorocyclopentadiene	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U
2,4,6-Trichlorophenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2,4,5-Trichlorophenol	1000	U	3000		1000	U	1000	U	1100	U	1100	U	940	U	1000	U
2-Chloronaphthalene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2-Chlorophenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2-Nitroaniline	1000	U	3000		1000	U	1000	U	1100	U	1100	U	940	U	1000	U
Acenaphthylene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Dimethyl phthalate	630	U	1890		630	U	630	U	640	U	630	U	570	U	600	U
2,6-Dinitrotoluene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Acenaphthene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
3-Nitroaniline	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U
Dibenzofuran	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
2,4-Dinitrophenol	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U
2,4-Dinitrotoluene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
Fluorene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U
1,3-Dichlorobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U

TABLE 8
US Scrap Barrel, Ottawa
Soil Analytical Results
SVOC

Sample Number :	M/E0077		3 times background		M/E0072		M/E0073		M/E0074		M/E0075		M/E0076		M/E0083			
Sampling Location :	X106				X101		X102		X103		X104		X105		X107			
Matrix :	Soil				Soil		Soil		Soil		Soil		Soil		Soil			
Units :	ug/kg				ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg			
Dilution Factor :	1				1.0		1.0		1.0		1.0		1.0		1.0			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
4-Nitrophenol	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U		
4-Chlorophenyl phenyl ether	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Diethyl phthalate	630	U	1890		630	U	630	U	640	U	630	U	570	U	600	U		
4,6-Dinitro-2-methylphenol	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U		
N-Nitrosodiphenylamine	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
4-Nitroaniline	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U		
4-Bromophenyl phenyl ether	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Hexachlorobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Pentachlorophenol	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U		
Phenanthrene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
1,4-Dichlorobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Anthracene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Carbazole	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Di-n-butyl phthalate	630	U	1890		630	U	630	U	640	U	630	U	570	U	600	U		
Fluoranthene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Pyrene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Butyl benzyl phthalate	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
3,3'-Dichlorobenzidine	1000	U	3000		1000	U	1000	U	1000	U	1000	U	910	U	960	U		
Chrysene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Benzo (a) anthracene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Bis(2-ethylhexyl)phthalate	630	U	1890		630	U	630	U	640	U	630	U	570	U	600	U		
Benzyl alcohol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Di-n-octyl phthalate	630	U	1890		630	U	630	U	640	U	630	U	570	U	600	U		
Benzo (b) fluoranthene	410	U	1230		410	U	410	U	420	U	420	U	45	UJ	400	U		
Benzo (k) fluoranthene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Benzo (a) pyrene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Indeno (1,2,3-cd) pyrene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Dibenz (a,h) anthracene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Benzo (g,h,i) perylene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
1,2-Dichlorobenzene	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
2-Methylphenol	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		
Bis(2-chloroisopropyl)ether	410	U	1230		410	U	410	U	420	U	420	U	370	U	400	U		

TABLE 9
US Scrap Barrel, Ottawa
Soil Analytical Results
Metals

Sample Number :	M/E0077		3 times background		M/E0072		M/E0073		M/E0074		M/E0075		M/E0076		M/E0079	
Sampling Location :	X106				X101		X102		X103		X104		X105		X107	
Matrix :	soil				soil		soil		soil		soil		soil		soil	
Units :	mg/kg				mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Date Sampled :	5/29/2007				5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007		5/29/2007	
% Solid :	79.1				78.3		78.1		77.5		78.0		87.1		82.0	
Dilution Factor :	1		1		1		1		1		1		1			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	4900		14700		9200		6400		6800		13000		8000		6200	
Iron	39000		117000		22000		33000		36000		22000		46000		43000	
Lead	38		114		52		27		25		22		20	U	30	
Magnesium	2300		6900		9500		23000		22000		4600		4300		2600	
Manganese	110		330		240		400		410		340		1400		160	
Nickel	17		51		26		19		20		22		40		21	
Potassium	3600		10800		1400		1100		1100		1200		1600		3000	
Silver	2.0	U	6.0		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	260	UJ	780		93	UJ	200	UJ	200	UJ	110	UJ	130	UJ	190	UJ
Barium	40		120		91		54		56		110		77		27	UJ
Vanadium	16		48		21		23		23		23		18		17	
Zinc	69		207		440		66		70		83		46		51	
Beryllium	0.5	JK	1.5		1.2	K	0.6	JK	0.7	JK	1.2	K	1.0	JK	0.4	JK
Cadmium	1.4		4.2		3.5		4.3		4.3		2.4		1.3		1.4	
Calcium	4100		12300		19000		35000		34000		7300		2600		3800	
Chromium	12		36		22		22		22		19		19		17	
Cobalt	10		30		9.8		12		13		9.2	UJ	22		14	
Copper	20		60		27		12		13		23		8.5		30	
Cyanide (Total)	0.44	U	1.32		0.45	U	0.38	U	0.39	U	0.41	U	0.41	U	0.43	U
Antimony	0.65	UJ	1.95		0.65	UJ	0.73	UJ	0.77	UJ	0.25	UJ	0.43	UJ	0.61	UJ
Arsenic	12		36		8.0		14		16		5.5		7.9		10	
Selenium	0.46	UJ	1.38		0.35	UJ	0.36	UJ	0.36	UJ	0.55	UJ	0.67	UJ	0.22	UJ
Thallium	1.0	U	3.0		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Table-11
XRF Data

Site:	U.S. Scrap I																
No	Cor1	Date/Time	Mo	Zr	Sr	Rb	Pb	Se	As	Hg	Zn	Cu	Ni	Co	Fe	Mn	Cr
33	Shutter Ca	5/29/2007 10:56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34	Blank	5/29/2007 10:56	<LOD	6.6	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	54.7	<LOD	<LOD	<LOD	<LOD
35	Init. CAL	5/29/2007 11:04	17.6	111	292.6	244.6	5209.6	<LOD	672.4	34.1	6598.4	2828.8	<LOD	<LOD	31283	10099	<LOD
36		5/29/2007 11:19	<LOD	43.4	<LOD	51.9	302	<LOD	<LOD	19.4	<LOD	<LOD	<LOD	<LOD	16397	<LOD	<LOD
37		5/29/2007 11:20	<LOD	129.1	<LOD	96.6	38.6	<LOD	<LOD	<LOD	276.6	<LOD	<LOD	<LOD	11296	<LOD	<LOD
38		5/29/2007 11:22	16.9	121.8	<LOD	178.6	<LOD	<LOD	<LOD	<LOD	76.9	<LOD	<LOD	<LOD	14592	<LOD	<LOD
39		5/29/2007 11:32	<LOD	139.5	<LOD	157.6	<LOD	<LOD	<LOD	<LOD	77.5	<LOD	<LOD	<LOD	12998	<LOD	<LOD
40		5/29/2007 11:34	<LOD	142.9	<LOD	80.1	<LOD	<LOD	<LOD	<LOD	90.8	<LOD	<LOD	<LOD	31488	<LOD	736.4
41		5/29/2007 11:35	<LOD	154.6	<LOD	79.6	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	28186	980	702.4
42		5/29/2007 13:07	<LOD	169.4	<LOD	150.1	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	21094	<LOD	704.4
43		5/29/2007 13:33	<LOD	111.9	<LOD	191.2	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	20096	810	<LOD
44		5/29/2007 13:34	<LOD	91.5	<LOD	218	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	32589	<LOD	<LOD
45		5/29/2007 13:36	<LOD	135.1	<LOD	197.5	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	24090	1489.6	<LOD
46		5/29/2007 13:38	<LOD	140.6	<LOD	151.7	45.7	<LOD	<LOD	<LOD	132.2	<LOD	<LOD	<LOD	20198	<LOD	<LOD
47		5/29/2007 14:27	<LOD	140.6	<LOD	219.2	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	24499	<LOD	<LOD
48		5/29/2007 14:28	<LOD	96.7	<LOD	213.8	55.3	<LOD	<LOD	<LOD	<LOD	<LOD	238.4	<LOD	11098	<LOD	<LOD
49		5/29/2007 14:29	<LOD	96.7	<LOD	172.8	45.4	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	25792	<LOD	<LOD
50		5/29/2007 14:30	<LOD	51.8	<LOD	89.4	61.4	<LOD	<LOD	21.6	<LOD	<LOD	243.4	<LOD	25792	<LOD	<LOD

<LOD = Less than Limit of Detection

Results in **Bold** indicate concentration above Residential Corrective Action Objectives

RF readings

1 calibration

1 blank

1 on/off

32 before start



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

(217) 782-6761

October 26, 2010

CERTIFIED MAIL

7009 2820 0001 7494 8016

Brown Oil Company
Attn: Mr. Thomas Hill, Sr.
222 N. LaSalle St., Suite 300
Chicago, IL 60601

Re: 0990800009/LaSalle County
Ottawa/Magic Waters
Site Remediation Program/Technical Reports
No Further Remediation Letter

Dear Mr. Hill:

The *Amended Remedial Objectives Report* (June 4, 2009/Log No.09/41566), as prepared by T.J. Thomas Associates, Inc. for the above referenced Remediation Site, has been reviewed by the Illinois Environmental Protection Agency ("Illinois EPA"). The approved remediation objectives at the Site are equal to or are above the existing levels of regulated substances and the *Amended Remedial Objectives Report* shall serve as the approved Remedial Action Completion Report.

The Remediation Site, consisting of 25.99 acres, is located at Route 6 and Route 71, Ottawa, Illinois. Pursuant to Section 58.10 of the Illinois Environmental Protection Act ("Act") (415 ILCS 5/1 et seq.), your request for a no further remediation determination is granted under the conditions and terms specified in this letter. The Remediation Applicant, as identified on the Illinois EPA's Site Remediation Program DRM-1 Form (May 12, 2004/Log No.04/20054), is Brown Oil Company.

This comprehensive No Further Remediation Letter ("Letter") signifies a release from further responsibilities under the Act for the performance of the approved remedial action. This Letter shall be considered prima facie evidence that the Remediation Site described in the attached Illinois EPA Site Remediation Program Environmental Notice and shown in the attached Site Base Map does not constitute a threat to human health and the environment and does not require further remediation under the Act if utilized in accordance with the terms of this Letter.

RELEASABLE

Rockford • 4302 N. Main St., Rockford, IL 61103 • (815) 987-7760

Elgin • 595 S. State, Elgin, IL 60123 • (847) 608-3131

Bureau of Land - Peoria • 7620 N. University St., Peoria, IL 61614 • (309) 693-5462

Collinsville • 2009 Mall Street, Collinsville, IL 62234 • (618) 346-5120

Des Plaines • 9511 W. Harrison St., Des Plaines, IL 60018 • (847) 254-4000

Peoria • 5415 N. University St., Peoria, IL 61614 • (309) 693-5463

Champaign • 2125 S. First St., Champaign, IL 61820 • (217) 278-5800

Marion • 2309 W. Main St., Suite 116, Marion, IL 62959 • (618) 993-7200

REVIEWED AND

Conditions and Terms of Approval

Level of Remediation and Land Use Limitations

- 1) The Remediation Site is restricted to Industrial/Commercial land use.
- 2) The land use specified in this Letter may be revised if:
 - a) Further investigation or remedial action has been conducted that documents the attainment of objectives appropriate for the new land use; and
 - b) A new Letter is obtained and recorded in accordance with Title XVII of the Act and regulations adopted thereunder.

Preventive, Engineering, and Institutional Controls

- 3) The implementation and maintenance of the following controls are required as part of the approval of the remediation objectives for this Remediation Site.

Preventive Controls:

- 4) At a minimum, a safety plan should be developed to address possible worker exposure in the event that any future excavation and construction activities may occur within the contaminated soil. Any excavation within the contaminated soil will require implementation of a safety plan consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations (particularly in 29 CFR 1910 and 1926), state and local regulations, and other USEPA guidance. Soil excavated below 3 feet must be returned to the same depth from which it was excavated or properly managed or disposed in accordance with applicable state and federal regulations.

Institutional Controls:

- 5) Ordinance 02-007, adopted on January 16, 2007 by the City of Ottawa effectively prohibits the installation and use of potable water supply wells in the City of Ottawa. This ordinance provides an acceptable institutional control under the following conditions:
 - a) The current owner or successor in interest of this Remediation Site who relies on this ordinance as an institutional control shall:
 - i) Monitor activities of the unit of local government relative to variance requests or changes in the ordinance relative to the use of potable groundwater at this Remediation Site; and
 - ii) Notify the Illinois EPA of any approved variance requests or ordinance changes within thirty (30) days after the date such action has been approved.

- b) The Remediation Applicant shall provide written notification to the City of Ottawa and to owner(s) of all properties under which groundwater contamination attributable to the Remediation Site exceeds the objectives approved by the Illinois EPA. The notification shall include:
 - i) The name and address of the local unit of government;
 - ii) The citation of Ordinance 02-007;
 - iii) A description of the property for which the owner is being sent notice by adequate legal description or by reference to a plat showing the boundaries;
 - iv) A statement that the ordinance restricting the groundwater use has been used by the Illinois EPA in reviewing a request for groundwater remediation objectives;
 - v) A statement as to the nature of the release and response action with the name, address, and Illinois EPA inventory identification number; and
 - vi) A statement as to where more information may be obtained regarding the ordinance.
- c) Written proof of this notification shall be submitted to the Illinois EPA within forty-five (45) days from the date this Letter is recorded to:

Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- d) The following activities shall be grounds for voidance of the ordinance as an institutional control and this Letter:
 - i) Modification of the referenced ordinance to allow potable uses of groundwater;
 - ii) Approval of a site-specific request, such as a variance, to allow use of groundwater at the Remediation Site or at the affected properties;
 - iii) Failure to provide written proof to the Illinois EPA within forty-five (45) days from the date this Letter is recorded of written notification to the City of Ottawa and affected property owner(s) of the intent to use Ordinance 02-007 as an institutional control at the Remediation Site; and
 - iv) Violation of the terms and conditions of this No Further Remediation letter

Other Terms

- 6) Areas outside the Remediation Site boundaries or specific engineered barrier locations, as shown in the Site Base Map, are not subject to any other institutional or engineered barrier controls.
- 7) Where a groundwater ordinance is used to assure long-term protection of human health (as identified under Paragraph 6 of this Letter), the Remediation Applicant must record a copy of the groundwater ordinance adopted and administered by a unit of local government along with this Letter.
- 8) Where the Remediation Applicant is not the sole owner of the Remediation Site, the Remediation Applicant shall complete the attached *Property Owner Certification of the No Further Remediation Letter under the Site Remediation Program* Form. This certification, by original signature of each property owner, or the authorized agent of the owner(s), of the Remediation Site or any portion thereof who is not a Remediation Applicant shall be recorded along with this Letter.
- 9) Further information regarding this Remediation Site can be obtained through a written request under the Freedom of Information Act (5 ILCS 140) to:

Illinois Environmental Protection Agency
Attn: Freedom of Information Act Officer
Bureau of Land-#24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 10) Pursuant to Section 58.10(f) of the Act (415 ILCS 5/58.10(f)), should the Illinois EPA seek to void this Letter, the Illinois EPA shall provide notice to the current title holder and to the Remediation Applicant at the last known address. The notice shall specify the cause for the voidance, explain the provisions for appeal, and describe the facts in support of this cause. Specific acts or omissions that may result in the voidance of the Letter under Sections 58.10(e)(1)-(7) of the Act (415 ILCS 5/58.10(e)(1)-(7)) include, but shall not be limited to:
 - a) Any violation of institutional controls or the designated land use restrictions;
 - b) The failure to operate and maintain preventive or engineering controls or to comply with any applicable groundwater monitoring plan;
 - c) The disturbance or removal of contamination that has been left in-place in accordance with the Remedial Action Plan. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected consistent with the Remedial Action Plan;
 - d) The failure to comply with the recording requirements for this Letter;
 - e) Obtaining the Letter by fraud or misrepresentation;

- f) Subsequent discovery of contaminants, not identified as part of the investigative or remedial activities upon which the issuance of the Letter was based, that pose a threat to human health or the environment;
 - g) The failure to pay the No Further Remediation Assessment Fee within forty-five (45) days after receiving a request for payment from the Illinois EPA;
 - h) The failure to pay in full the applicable fees under the Review and Evaluation Services Agreement within forty-five (45) days after receiving a request for payment from the Illinois EPA.
- 11) Pursuant to Section 58.10(d) of the Act, this Letter shall apply in favor of the following persons:
- a) Brown Oil Company;
 - b) The owner and operator of the Remediation Site;
 - c) Any parent corporation or subsidiary of the owner of the Remediation Site;
 - d) Any co-owner, either by joint-tenancy, right of survivorship, or any other party sharing a relationship with the owner of the Remediation Site;
 - e) Any holder of a beneficial interest of a land trust or inter vivos trust, whether revocable or irrevocable, involving the Remediation Site;
 - f) Any mortgagee or trustee of a deed of trust of the owner of the Remediation Site or any assignee, transferee, or any successor-in-interest thereto;
 - g) Any successor-in-interest of the owner of the Remediation Site;
 - h) Any transferee of the owner of the Remediation Site whether the transfer was by sale, bankruptcy proceeding, partition, dissolution of marriage, settlement or adjudication of any civil action, charitable gift, or bequest;
 - i) Any heir or devisee of the owner of the Remediation Site;
 - j) Any financial institution, as that term is defined in Section 2 of the Illinois Banking Act and to include the Illinois Housing Development Authority, that has acquired the ownership, operation, management, or control of the Remediation Site through foreclosure or under the terms of a security interest held by the financial institution, under the terms of an extension of credit made by the financial institution, or any successor-in-interest thereto; or
 - k) In the case of a fiduciary (other than a land trustee), the estate, trust estate, or other interest in property held in a fiduciary capacity, and a trustee, executor, administrator, guardian, receiver, conservator, or other person who holds the remediated site in a fiduciary capacity, or a transferee of such party.

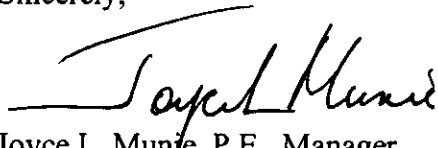
- 12) This letter, including all attachments, must be recorded as a single instrument within forty-five (45) days of receipt with the Office of the Recorder of LaSalle County. For recording purposes, the Illinois EPA Site Remediation Program Environmental Notice attached to this Letter should be the first page of the instrument filed. This Letter shall not be effective until officially recorded by the Office of the Recorder of LaSalle County in accordance with Illinois law so that it forms a permanent part of the chain of title for the Magic Waters property.
- 13) Within thirty (30) days of this Letter being recorded by the Office of the Recorder of LaSalle County, a certified copy of this Letter, as recorded, shall be obtained and submitted to the Illinois EPA to:

Robert E. O'Hara
Illinois Environmental Protection Agency
Bureau of Land/RPMS
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

- 14) In accordance with Section 58.10(g) of the Act, a No Further Remediation Assessment Fee based on the costs incurred for the Remediation Site by the Illinois EPA for review and evaluation services will be applied in addition to the fees applicable under the Review and Evaluation Services Agreement. Request for payment of the No Further Remediation Assessment Fee will be included with the billing statement.

If you have any questions regarding the Magic Waters property, you may contact the Illinois EPA project manager, Rhett M. Rossi at 217 971 6167.

Sincerely,



Joyce L. Munje, P.E., Manager
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

Attachments: Illinois EPA Site Remediation Program Environmental Notice
Site Base Map
Property Owner Certification of No Further Remediation Letter under the Site Remediation Program Form
Instructions for Filing the NFR Letter

cc: T.J. Thomas Associates, Inc.
Attn: Mr. Tom Thomas
1016 Edgewood Court
Lemont, IL 60439

Records Unit
Bob O'Hara
Rick Lucas

PREPARED BY:

Name: Brown Oil Company
Mr. Thomas Hill, Sr.

Address: 222 N. LaSalle Street, Suite 300
Chicago, IL 60601

RETURN TO:

Name: Bown Oil Company
Mr. Thomas Hill, Sr.

Address: 222 N. LaSalle Street, Suite 300
Chicago, IL 60601

THE ABOVE SPACE FOR RECORDER'S OFFICE

This Environmental No Further Remediation Letter must be submitted by the remediation applicant within 45 days of its receipt, to the Office of the Recorder of LaSalle County.

Illinois State EPA Number: 0990800009

Brown Oil Company, the Remediation Applicant, whose address is 222 N. LaSalle Street, Suite 300, Chicago, IL 60601, has performed investigative and/or remedial activities for the remediation site depicted on the attached Site Base Map and identified by the following:

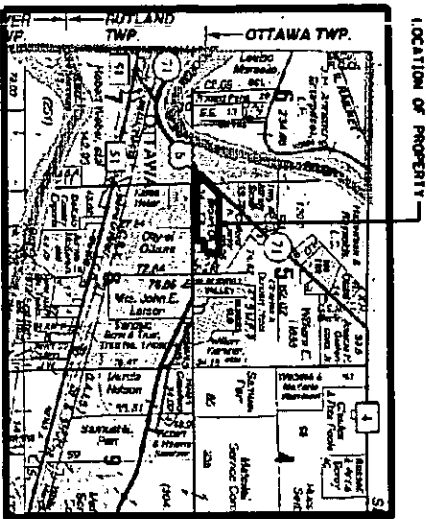
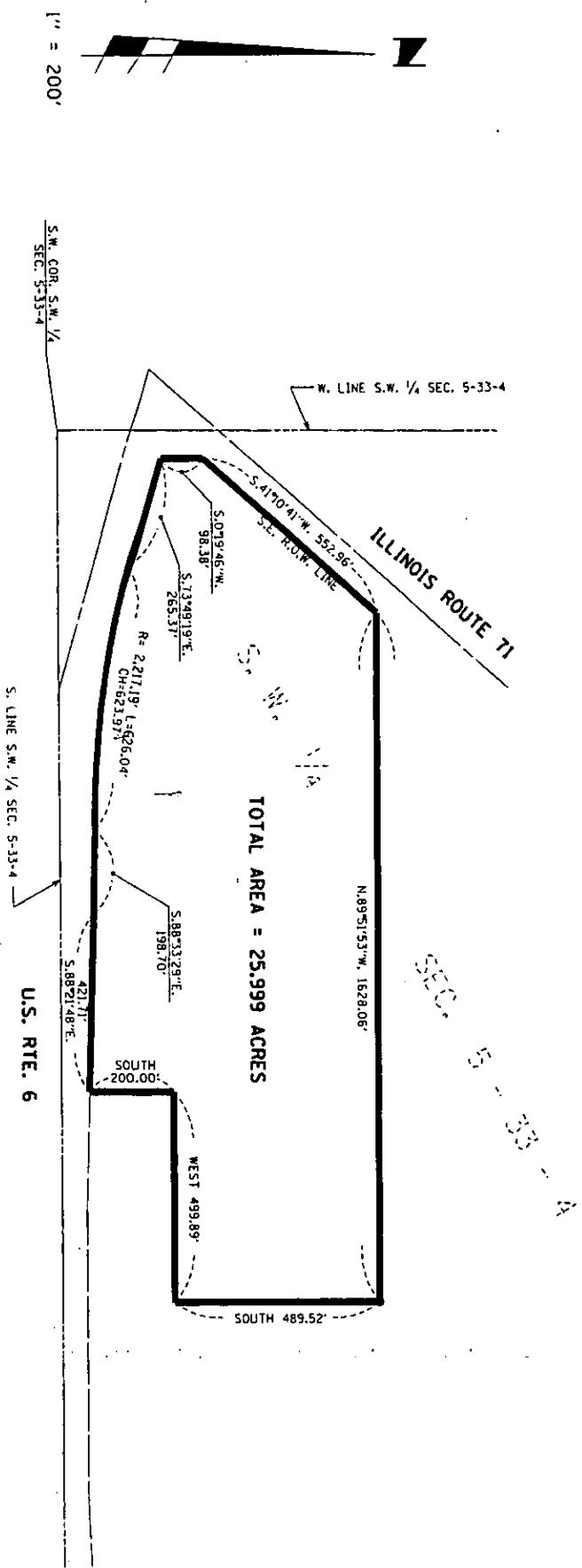
1. Legal description or Reference to a Plat Showing the Boundaries: That part of the Southwest Quarter of Section 5, Township 33 North, Range 4 East of the Third Principal Meridian described as follows: Beginning at the southeast corner of the said Southwest Quarter; thence, North 0°-10'-01" West 756.00 feet on the east line of the said Southwest Quarter; thence, North 89°-51'-53" West 624.88 feet to the POINT OF BEGINNING; thence, North 89°-51'-53" West 1,628.06 feet to a point on the southeasterly right-of-way line of Illinois Route 71; thence, South 41°-10'-41" West 552.96 feet on the said right-of-way line to a point on a line which is 66.00 feet perpendicularly distant from the west line of the said Southwest Quarter; thence, South 0°-19'-46" West 98.38 feet on a line parallel to the west line of the said Southwest Quarter to the northeasterly right-of-way line of U.S. Route 6; thence, South 73°-49'-19" East 265.37 feet on the said right-of-way line to the P.C. of a curve bearing to the left and having a radius of 2,217.19 feet; thence, southeasterly on the aforementioned curve for an arc distance of 626.04 feet; thence, South 88°-33'-29" East 198.70 feet on the said right-of-way line; thence, South 88°-21'-48" East 421.71 feet on the said right-of-way line; thence, due South 200.00 feet; thence, due West 499.89 feet; thence, due North 489.52 feet to the POINT OF BEGINNING containing 25.999 acres, more or less, and all being situated in Rutland Township, LaSalle County, Illinois.

2. Common Address: Route 6 and Route 71, Ottawa, IL

3. Real Estate Tax Index/Parcel Index Number: 15-41-315-000
4. Remediation Site Owner: Brown Oil Company
5. Land Use: Industrial/Commercial
6. Site Investigation: Comprehensive

See NFR letter for other terms.

LOCATION SKETCH



LEGEND
BOUNDARY OF PROPERTY SURVEYED

Site Base Map
0990800009 - LaSalle County
Ottawa/Magic Waters
Site Remediation Program

SITE NAME:	US Scrap Barrel	
CERCLIS ID:	980902209	COUNTY: La Salle

DATE: 5/29/2007
TIME: 12:45 & 12:50
PHOTO BY: Dave Reed
DIRECTION: Southeast
COMMENTS:
 X101, X102, and X103



DATE: US Scrap Barrel
TIME: 5/29/2007
PHOTO BY: Dave Reed
DIRECTION: Southeast
COMMENTS:
 G101

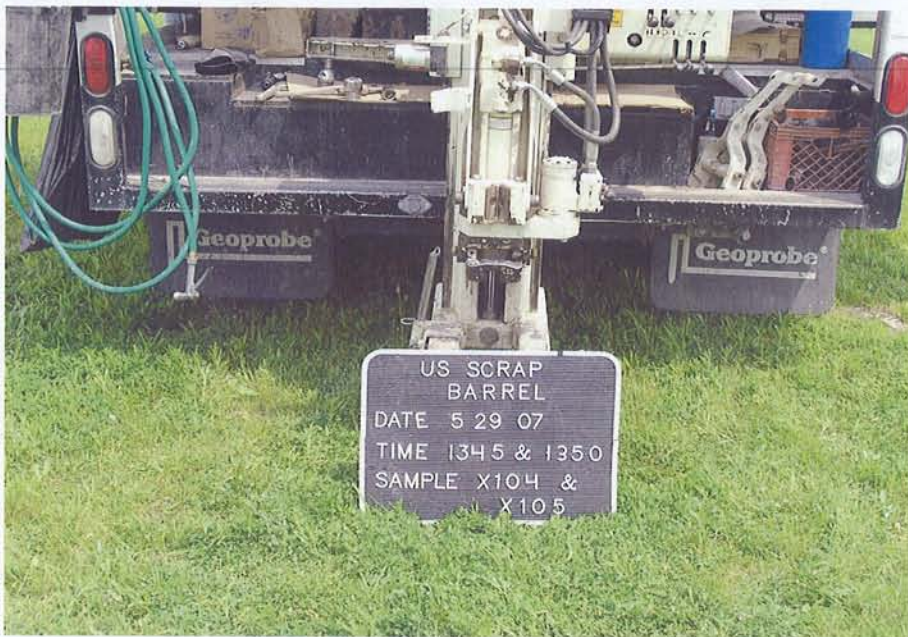


SITE NAME:	US Scrap Barrel	
CERCLIS ID:	980902209	COUNTY: La Salle

DATE: 5/29/2007
TIME: 13:45 & 1350
PHOTO BY: Dave Reed
DIRECTION: East
COMMENTS:
 X104 & X105



DATE: 5/29/2007
TIME: 13:45 & 1350
PHOTO BY: Dave Reed
DIRECTION: East
COMMENTS:
 X104 & X105

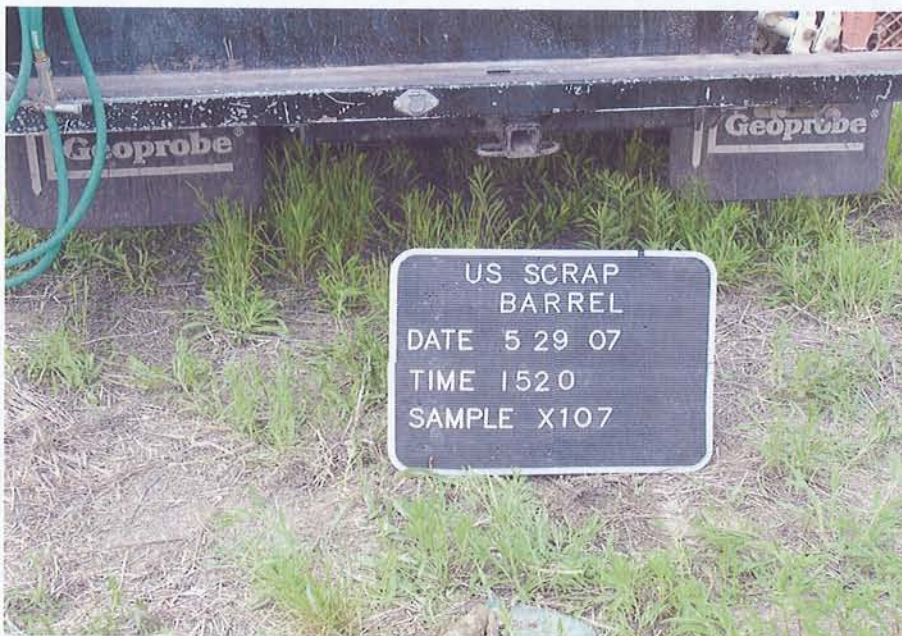


SITE NAME:	US Scrap Barrel	
CERCLIS ID:	980902209	COUNTY: La Salle

DATE: 5/29/2007
TIME: 14:30
PHOTO BY: Dave Reed
DIRECTION: Northeast
COMMENTS:
 X106



DATE: 5/29/2007
TIME: 15:20
PHOTO BY: Dave Reed
DIRECTION: North
COMMENTS:
 X107



SITE NAME: US Scrap Barrel		
CERCLIS ID: 980902209	COUNTY: La Salle	

DATE:	5/29/2007
TIME:	16:45
PHOTO BY:	Dave Reed
DIRECTION:	South
COMMENTS:	G201



DATE:	5/29/2007
TIME:	17:35
PHOTO BY:	Dave Reed
DIRECTION:	East
COMMENTS:	G202



SITE NAME: US Scrap Barrel	
CERCLIS ID: 980902209	COUNTY: La Salle

DATE:	5/30/2007
TIME:	9:00
PHOTO BY:	Dave Reed
DIRECTION:	East
COMMENTS:	X201



DATE:	5/30/2007
TIME:	9:15
PHOTO BY:	Dave Reed
DIRECTION:	East
COMMENTS:	X202



SITE NAME:	US Scrap Barrel	
CERCLIS ID:	980902209	COUNTY:

DATE: 5/30/2007
TIME: 9:37
PHOTO BY: Dave Reed
DIRECTION: East
COMMENTS:
 X203 & X204



DATE: 5/30/2007
TIME: 10:10
PHOTO BY: Dave Reed
DIRECTION: East
COMMENTS:
 X205



SITE NAME:	
CERCLIS ID:	COUNTY: La Salle

DATE:	5/30/2007
TIME:	10:40
PHOTO BY:	Dave Reed
DIRECTION:	West
COMMENTS:	X206



DATE:	5/30/2007
TIME:	12:00
PHOTO BY:	Dave Reed
DIRECTION:	North
COMMENTS:	G203 (photo says X206)

